

**TOWN OF ARLINGTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
51 GROVE STREET, ARLINGTON, MA. 02476**



SEWER SIPHON REPLACEMENT PROJECT

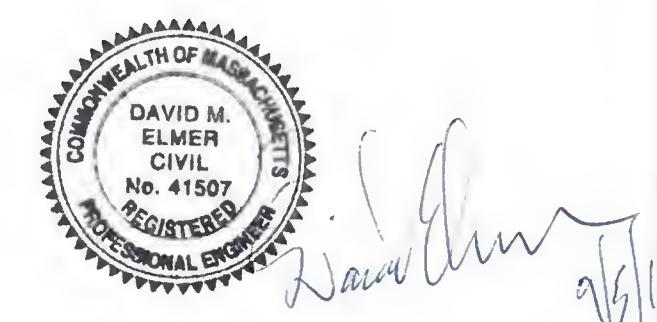
BID INVITATION NO. 18-41

MICHAEL W. RADEMACHER, P.E. DIRECTOR OF PUBLIC WORKS

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SEPTEMBER 2018



Weston & SampsonSM

Weston & Sampson Engineers, Inc.
Five Centennial Drive, Peabody, MA 01960

LEGEND

DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	S	8" PVC
WATER MAIN	W	6" W DI
STORM DRAIN	D	18" D RCP
GAS	G	4" G
ELECTRIC	E	E
TELEPHONE	T	T
HOUSE CONNECTION		6" HOUSE CONN (TYP)
SANITARY SEWER MANHOLE	◎	● SMH
STORM DRAIN MANHOLE	◎	● SDMH
ELECTRICAL MANHOLE	○	● EMH
TELEPHONE MANHOLE	○	● TMH
CLEANOUT	○	● CO
CATCH BASIN	□	■ CB
HYDRANT	XX	●
GATE VALVE	W	●
CHECK VALVE	U	●
CURB STOP	○	●
BUTTERFLY VALVE	Y	●
CAP OR PLUG	—	—
GAS GATE VALVE	W	—
UTILITY POLE	○	●
GUY POLE	●	—
LIGHT POST	○	—
EDGE OF PAVEMENT	—	—
CURB	—	—
SIDEWALK	—	—
STONE WALL	○○○○○	○○○○○
RETAINING WALL	RET WALL	RET WALL
FENCE	X-X	X-X
INDIVIDUAL DECIDUOUS TREE	○	○
INDIVIDUAL EVERGREEN TREE	*	*
TREE LINE	~~~~~	~~~~~
SURVEY MARKER	S	S
PROPERTY LINE	S-P-S	S-P-S
EASEMENT LINE	—+—+—	—+—+—
LIMIT OF WORK	—	—
SPOT ELEVATIONS	x 141.5	x 141.5
HOUSE NUMBER	#35	—
FLOOR ELEVATION	FL=56.7	—
SILL ELEVATION	S=56.7	—
WETLAND	↓ ↓ ↓	—
WETLAND FLAGS	— 1 2	—
GUARD POST	△	▲
BOLLARD	○ B	● B
SIGN	—	—
BENCH MARK	⊕	—
TEST PIT	⊕ 1	TP-1
GROUNDWATER MONITORING WELL	⊕ WS-1	⊕ WS-1
HAY BALES	—	—
ROCK OUTCROP	—	—

ABBREVIATIONS

AC	ASBESTOS CEMENT PIPE
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BC	BITUMINOUS CONCRETE
BIT	BITUMINOUS
BLDG	BUILDING
BM	BENCH MARK
CATV	CABLE TELEVISION
CB	CATCH BASIN
CC	CONCRETE CURB
CI	CAST IRON
C	CENTERLINE
CMP	CORRUGATED METAL PIPE
CONC	CONCRETE
CU FT	CUBIC FEET
CY	CUBIC YARD
D	STORM DRAIN, DEPTH FROM RIM TO INVERT
DI	DROP INLET, DUCTILE IRON
DIA	DIAMETER
DMH	DRAIN MANHOLE
DWG	DRAWING
E	EAST, ELECTRIC
EA	EACH
ELEV	ELEVATION
EOP	EDGE OF PAVEMENT
EXIST	EXISTING
FT	FEET, FOOT
G	NATURAL GAS
GC	GRANITE CURB
HC	HOUSE CONNECTION
HORIZ	HORIZONTAL
HP	HIGH PRESSURE
HYD	FIRE HYDRANT
I	INVERT
INV	INVERT
ID	INSIDE DIAMETER
LB	POUND
LF	LINEAR FEET
LS	LUMP SUM
MAX	MAXIMUM
MB	MAIL BOX
MH	MANHOLE
MassDOT	MASSACHUSETTS DEPARTMENT OF TRANSPORTAION
MIN	MINIMUM
MISC	MISCELLANEOUS
MWRA	MASSACHUSETTS WATER RESOURCES AUTHORITY
N	NORTH
NE	NORTH EAST
NW	NORTH WEST
NO OR #	NUMBER
NTS	NOT TO SCALE
OD	OUTSIDE DIAMETER
P	PROPERTY LINE
PVC	POLYVINYL CHLORIDE
PVMT	PAVEMENT
RC	REINFORCED CONCRETE PIPE
RCP	REINFORCED CONCRETE PIPE
ROW	RIGHT-OF-WAY
S	SEWER, SOUTH
SE	SOUTH EAST
SF	SQUARE FEET
SPEC	SPECIFICATIONS
SQ FT	SQUARE FEET
SS	SEWER SERVICE, STAINLESS STEEL
STA	STATION
STL	STEEL
SW	SIDEWALK, SOUTH WEST
T	HYDROSTATIC THRUST, TELEPHONE
TBM	TEMPORARY BENCH MARK
THK	THICK (NESS)
TYP	TYPICAL
UP	UTILITY POLE
VC	VITRIFIED CLAY
VERT	VERTICAL
VF	VERTICAL FEET
W	WATER, WEST
W/	WITH
W/O	WITHOUT

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL CALL DIGSAFE AT 1-888-344-7233 AT LEAST 72 HOURS, SATURDAYS, SUNDAYS, AND HOLIDAYS EXCLUDED, PRIOR TO EXCAVATING AT ANY LOCATION. A COPY OF THE DIGSAFE PROJECT REFERENCE NUMBER(S) SHALL BE GIVEN TO THE OWNER PRIOR TO EXCAVATION. THE TOWN OF ARLINGTON IS NOT A MEMBER OF DIGSAFE. CONTRACTOR SHALL NOTIFY TOWN OF ARLINGTON WATER AND SEWER DIVISION AT 781-316-3310 FOR MARK-OUT OF TOWN SEWER, WATER AND DRAINAGE INFRASTRUCTURE. MWRA IS NOT A MEMBER OF DIGSAFE. CONTRACTOR SHALL NOTIFY KEVIN MCKENNA AT 617-305-5956 FOR MARK-OUT OF MWRA INFRASTRUCTURE.
- LOCATIONS OF EXISTING PIPES, CONDUITS, UTILITIES, FOUNDATIONS AND OTHER UNDERGROUND OBJECTS ARE NOT WARRANTED TO BE CORRECT AND THE CONTRACTOR SHALL HAVE NO CLAIM ON THAT ACCOUNT SHOULD THEY BE OTHER THAN SHOWN.
- ALL UTILITY CONFLICT NOTES ARE APPROXIMATE AND MAY NOT INCLUDE ALL POTENTIAL CONFLICTS. THESE NOTES DO NOT RELIEVE THE CONTRACTOR OF THE RESPONSIBILITY TO LOCATE ALL UTILITIES PRIOR TO BEGINNING THE WORK.
- TEST PITS TO LOCATE EXISTING UTILITIES MAY BE ORDERED BY THE ENGINEER.
- STONE WALLS, FENCES, MAIL BOXES, SIGNS, CURBS, LIGHT POLES, ETC. SHALL BE REMOVED AND REPLACED AS NECESSARY TO PERFORM THE WORK. UNLESS OTHERWISE INDICATED, ALL SUCH WORK SHALL BE INCIDENTAL TO CONSTRUCTION OF THE PROJECT.
- ALL PAVEMENT DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN ACCORDANCE WITH THE SPECIFICATIONS AND AS SHOWN ON THE DRAWINGS.
- ALL AREAS DISTURBED BY THE CONTRACTOR BEYOND PAYMENT LIMITS SHALL BE RESTORED AT NO ADDITIONAL COST TO THE OWNER.
- THE CONTRACTOR SHALL NOT STORE ANY APPARATUS, MATERIALS, SUPPLIES, OR EQUIPMENT ON DRAINAGE STRUCTURES OR WITHIN 100 FEET OF WETLANDS, 50 FEET OF INTERSECTIONS OR 10 FEET OF DRIVEWAYS.
- SEWER TRENCHES MAY BE EXCAVATED WIDER THAN THE 'LIMIT OF EXCAVATION' AND PAYMENT FOR EARTH EXCAVATION' ABOVE THE 'LINE OF NARROW TRENCH LIMIT.' ANY SUCH ADDITIONAL EXCAVATION SHALL BE AT THE CONTRACTOR'S EXPENSE AND SHALL NOT BE MEASURED FOR PAYMENT.
- BELOW THE 'LINE OF NARROW TRENCH LIMIT' THE TRENCH SHOULD NOT BE EXCAVATED BEYOND THE TRENCH WIDTH 'W'. IF MATERIAL IS LOOSEND OR REMOVED BEYOND THE ABOVE MENTIONED LIMITS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE CRUSHED STONE FOR THE FULL WIDTH OF THE TRENCH AT NO ADDITIONAL COST TO THE OWNER.
- OPENINGS FOR PIPE IN PRECAST MANHOLE BASES SHALL BE CAST IN THE REQUIRED LOCATIONS DURING MANHOLE MANUFACTURE. FIELD CUT OPENINGS WILL NOT BE PERMITTED UNLESS APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL MAINTAIN EXISTING FLOWS IN THE SYSTEM, BYPASSING AS NECESSARY TO PREVENT SURCHARGING, AS APPROVED OR REQUIRED BY THE ENGINEER.
- NO PAYMENT SHALL BE MADE FOR ADDITIONAL PIPE CLEANING.
- FORM BRICK INVERTS IN MANHOLES WITH BRICK ON EDGE TO A DEPTH OF 0.8 INSIDE DIAMETER OF PIPE AND FORM A 1 INCH SLOPED BENCH WITH BRICK FLAT. INVERT SHALL BE SLOPED UNIFORMLY BETWEEN INLET AND OUTLET PIPE AND SHALL BE FORMED AND FILLED AS REQUIRED TO DIRECT THE FLOW AS INDICATED AND TO PREVENT DEPOSITION OF SOLIDS.
- IN PAVED AREAS THE TOP OF THE MANHOLE COVER SHALL BE SET FLUSH WITH THE PAVED SURFACE. IN OTHER AREAS THE TOP OF THE COVER SHALL BE SET AS SHOWN ON THE DRAWINGS, OR AS REQUIRED BY THE ENGINEER.
- ALL STREET EXCAVATIONS SHALL BE COMPLETELY CLOSED AT THE END OF EACH WORKING DAY BY BACKFILLING OR COVERING WITH STEEL PLATES.
- CONTRACTOR SHALL TELEVIEW ALL SEWER SERVICES ENCOUNTERED DURING EXCAVATION FROM THE PROPERTY LINE TO THE BUILDING PRIOR TO REINSTATING LATERAL CONNECTIONS. RECORDING SHALL BE PROVIDED AT TIME OF THE INSPECTION.
- ALL SIDEWALKS SHALL BE MAINTAINED FREE OF DEBRIS AND BLOCKAGES OR SHALL BE BARRICADED AND SUITABLE SAFETY BARRIERS INSTALLED.
- CONTRACTOR SHALL PRODUCE AND DISTRIBUTE DOOR-TO-DOOR ABUTTER NOTIFICATION LETTERS AT LEAST TWO (2) WORKING DAYS PRIOR TO ALL WORK ITEMS. NOTIFICATION LANGUAGE SHALL BE APPROVED BY THE OWNER PRIOR TO DISTRIBUTION.

GENERAL NOTES:

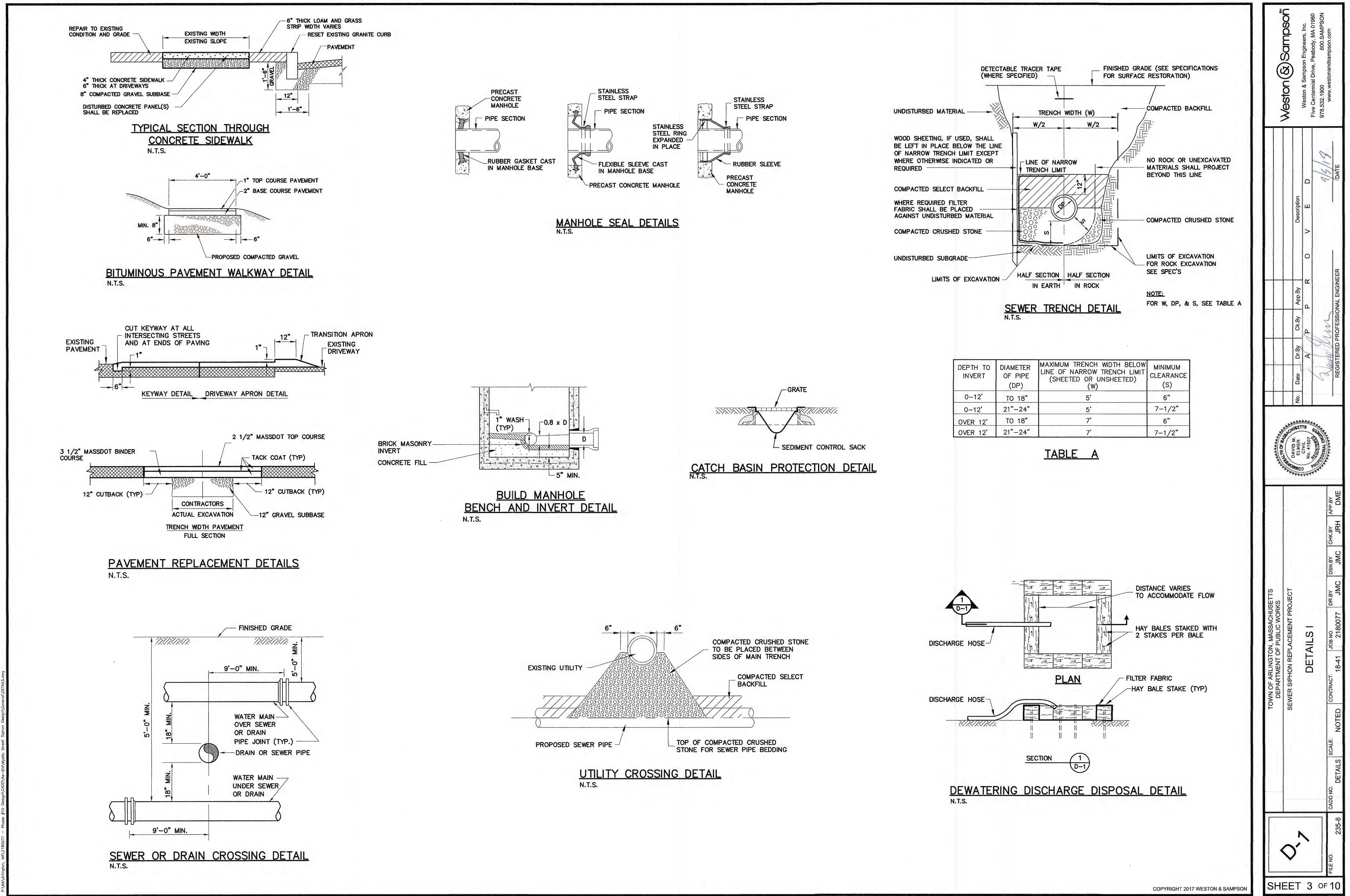
- PLANS ILLUSTRATE APPROXIMATE LOCATIONS OF MANHOLES AND SEWERS. ALL LOCATIONS SHOULD BE FIELD VERIFIED BY THE CONTRACTOR.
- EXCAVATION SHALL BE COMPLETED IN ACCORDANCE WITH ALL APPLICABLE MASSACHUSETTS DEPARTMENT OF TRANSPORTATION STANDARDS AND SPECIFICATIONS.
- CONTRACTOR SHALL PROVIDE ALL PROJECT VIDEO FILES ON AN EXTERNAL HARD DRIVE AT THE CONCLUSION OF THE PROJECT AS DESCRIBED IN SPECIFICATION SECTION 01331 DOCUMENTATION.
- CONTRACTOR SHALL NOT ALLOW SAND, SILT OR OTHER SITE RUNOFF TO ENTER CATCH BASINS. ANY DEBRIS ENTERING SYSTEM DURING CONSTRUCTION SHALL BE REMOVED AT NO ADDITIONAL COST TO THE OWNER.
- MANHOLES AND LINE SEGMENTS WITH WORK TO BE PERFORMED ARE BOLDED ON THE PLANS. WHERE THERE IS A DISCREPANCY BETWEEN THE BOLDED MANHOLE/LINE SEGMENT AND THE WORK TABLES, THE WORK TABLES SHALL CONTROL.
- WHERE THERE IS A DISCREPANCY BETWEEN THE SPECIFICATIONS AND THE WORK TABLES, THE WORK TABLES SHALL CONTROL.
- THE SCOPE OF WORK INCLUDES APPROXIMATELY: 60 LINEAR FEET OF PIPE BURSTING (TWO (2) PARALLEL 8-INCH CAST IRON SIPHON BARRELS APPROXIMATELY 30 LINEAR FEET); INSTALLATION OF APPROXIMATELY 134 LINEAR FEET OF HDPE SIPHON PIPE; REPLACEMENT OF 40 LINEAR FEET OF 6-INCH GRAVITY SEWER PIPE; REPLACEMENT OF TWO (2) SEWER SIPHON STRUCTURES; SET-UP OF A TEMPORARY SEWER BYPASS SYSTEM FOR THE SIPHON REPLACEMENT; AND OTHER RELATED TASKS IN THE TOWN OF ARLINGTON, MASSACHUSETTS.
- WHILE JERSEY BARRIERS ARE IN PLACE, THE WORK HOURS OF 7:00 AM TO 5:00 PM ARE ALLOWED MONDAY THROUGH FRIDAY, AND 8:00 AM TO 5:00 PM ON SATURDAYS.
- NO WORK SHALL BE PERFORMED ON SUNDAYS AND HOLIDAYS.
- CLEANING OF SEWER SIPHON SHALL BE PERFORMED PRIOR TO DEMOLITION OF STRUCTURES TO PREVENT CONTAMINATION OF THE WORK AREA.

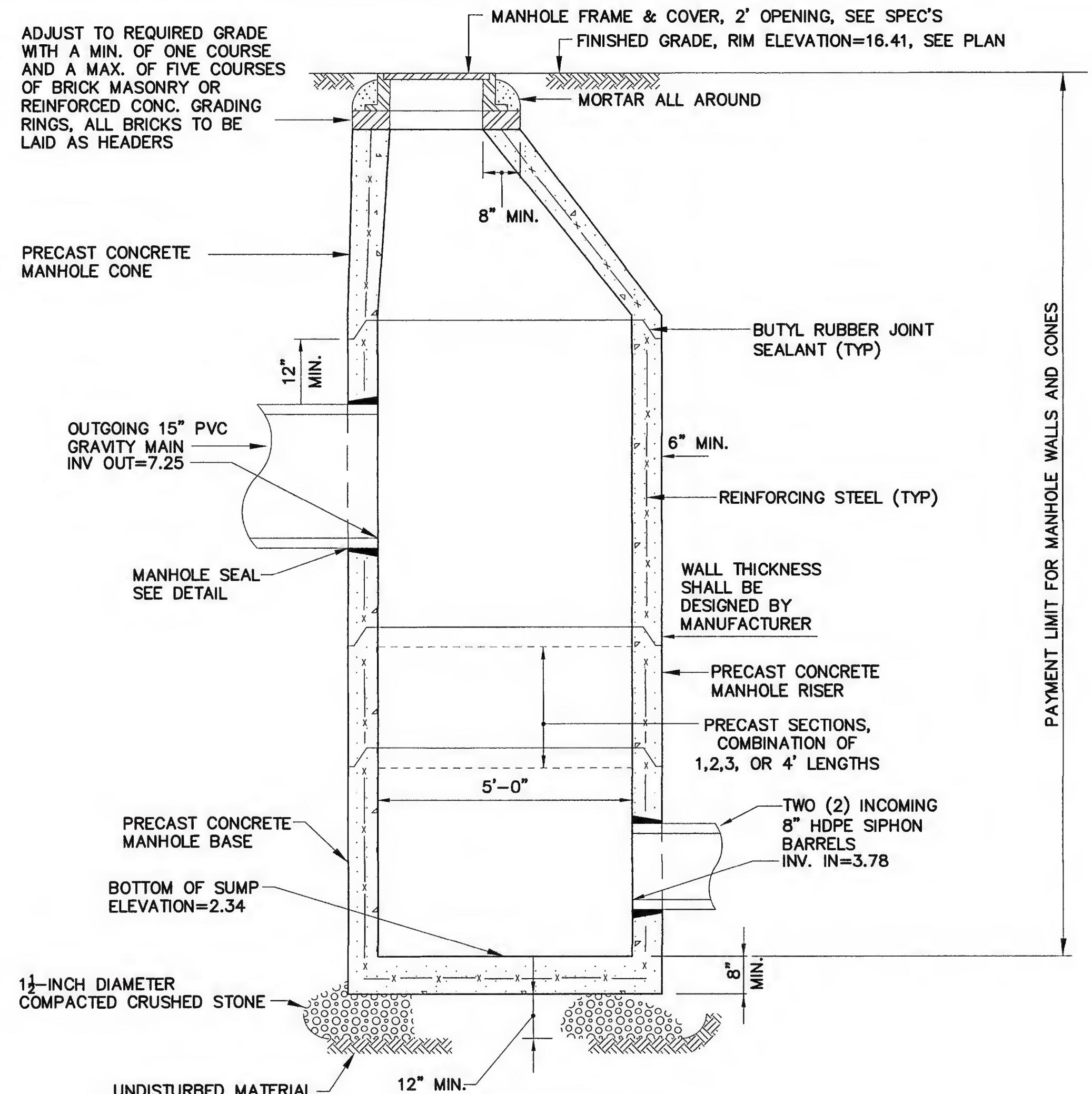
NO.	Date	Dr By	Ck By	App By	Description
1	1/15/19	A	P	R	V E D



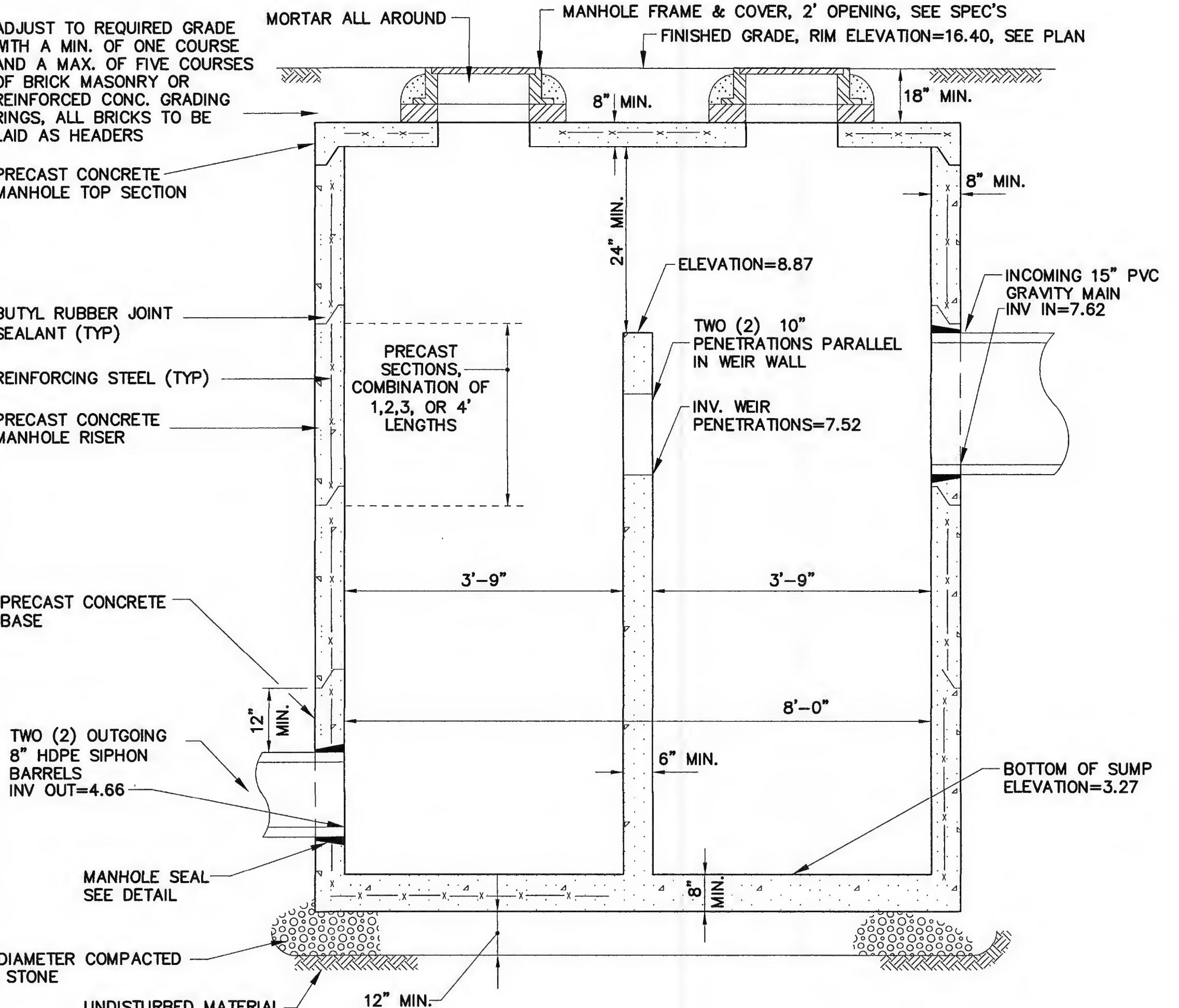
DESCRIPTION	EXISTING	PROPOSED
SANITARY SEWER	—	—
STORM DRAIN	—	—
SANITARY SEWER MANHOLE REHABILITATION	04306 *	04306 □
LAMPHOLE	○	—
SANITARY SEWER MANHOLE REPLACEMENT	04306 *	04306 □
DIRECTION OF FLOW	→	→

THE "S" AT THE END OF MANHOLE NUMBERS SHOWN IN THE PLAN VIEW INDICATES SEWER AND THE "D" INDICATES DRAIN. THE DESIGNATION HAS NOT BEEN INCLUDED IN THE WORK TABLES FOR CLARITY.

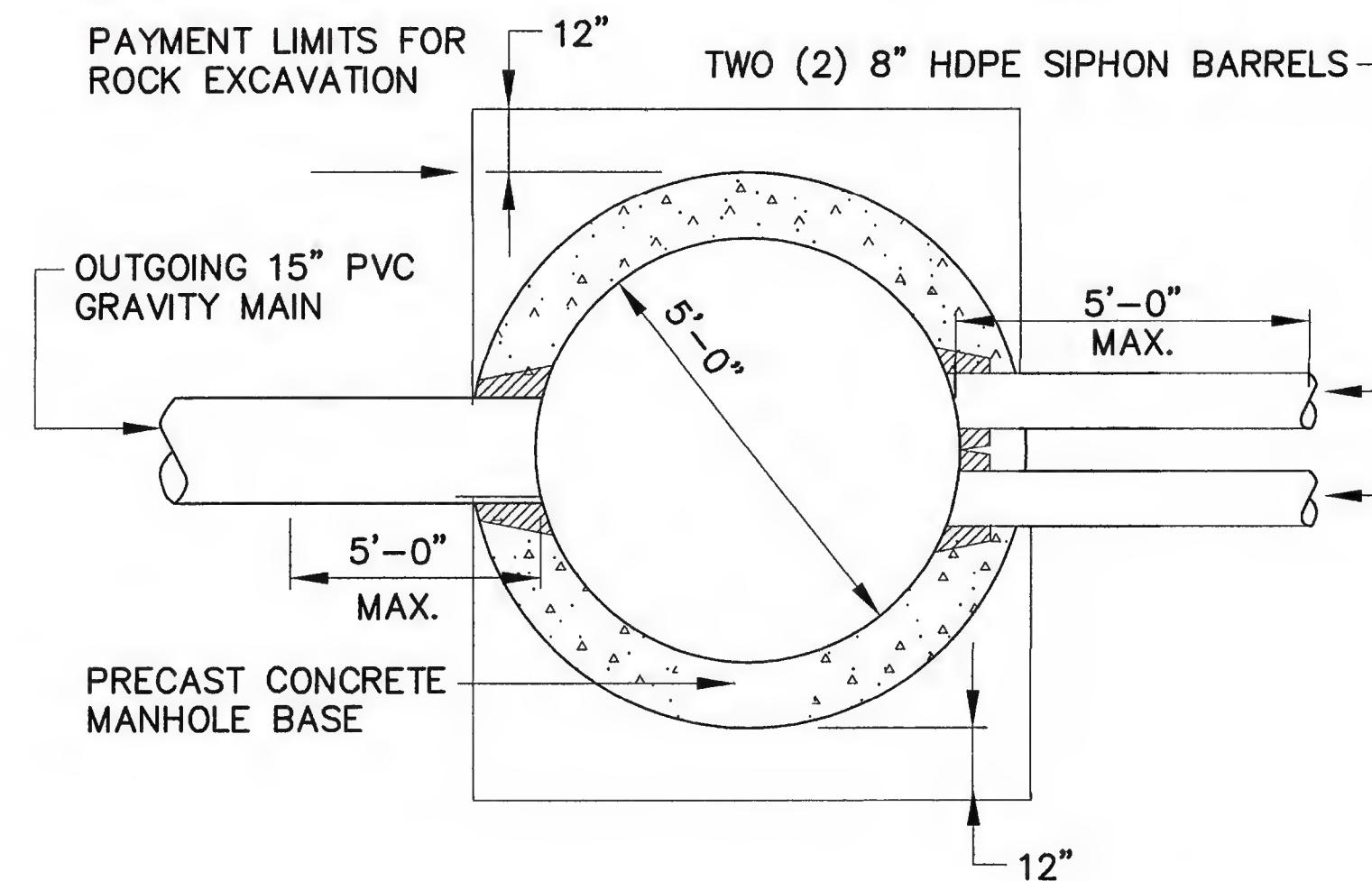




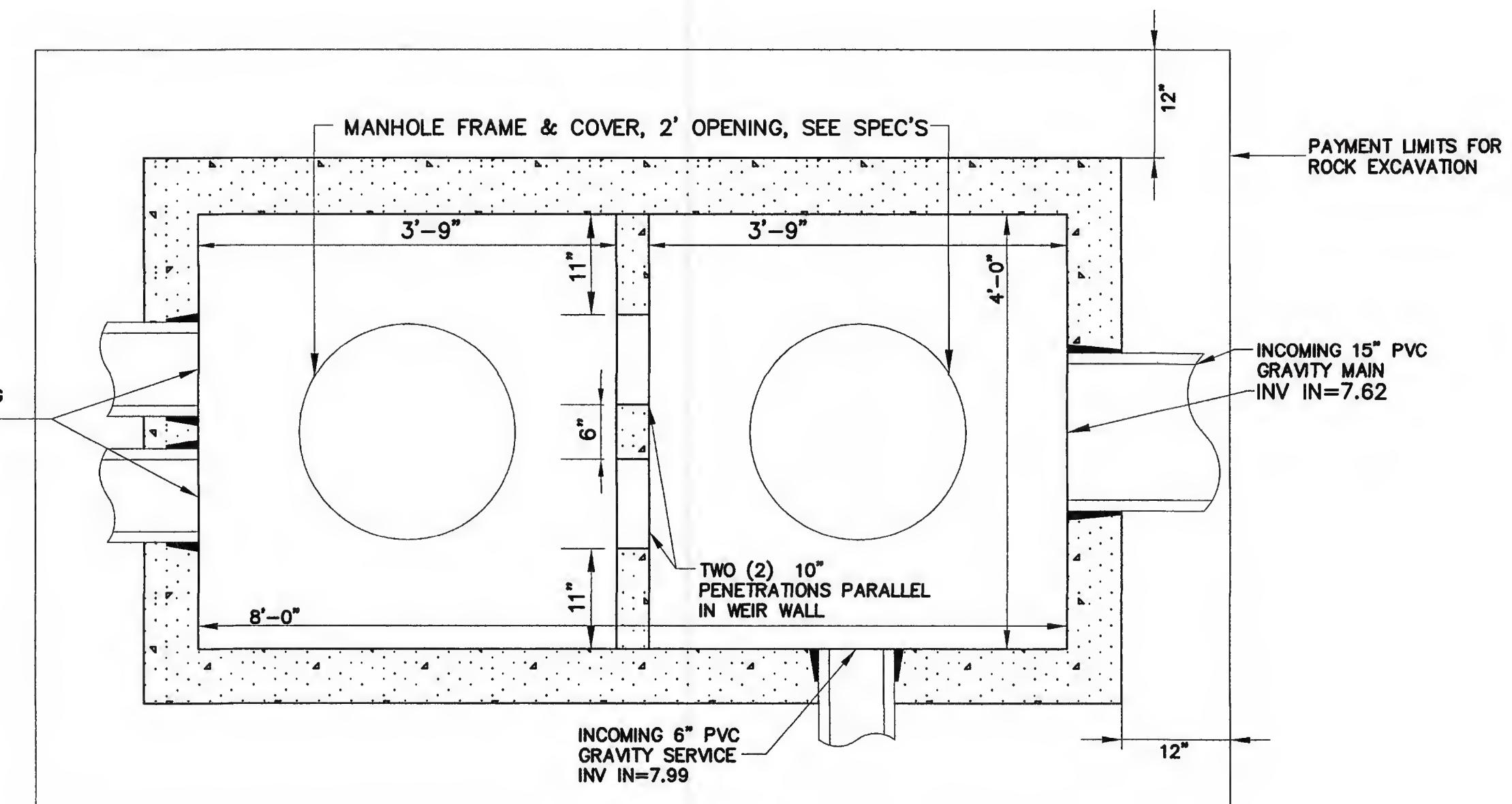
5'-0" DIA. PROPOSED PRECAST
CONCRETE MANHOLE DETAIL
N.T.S. STA 2+26



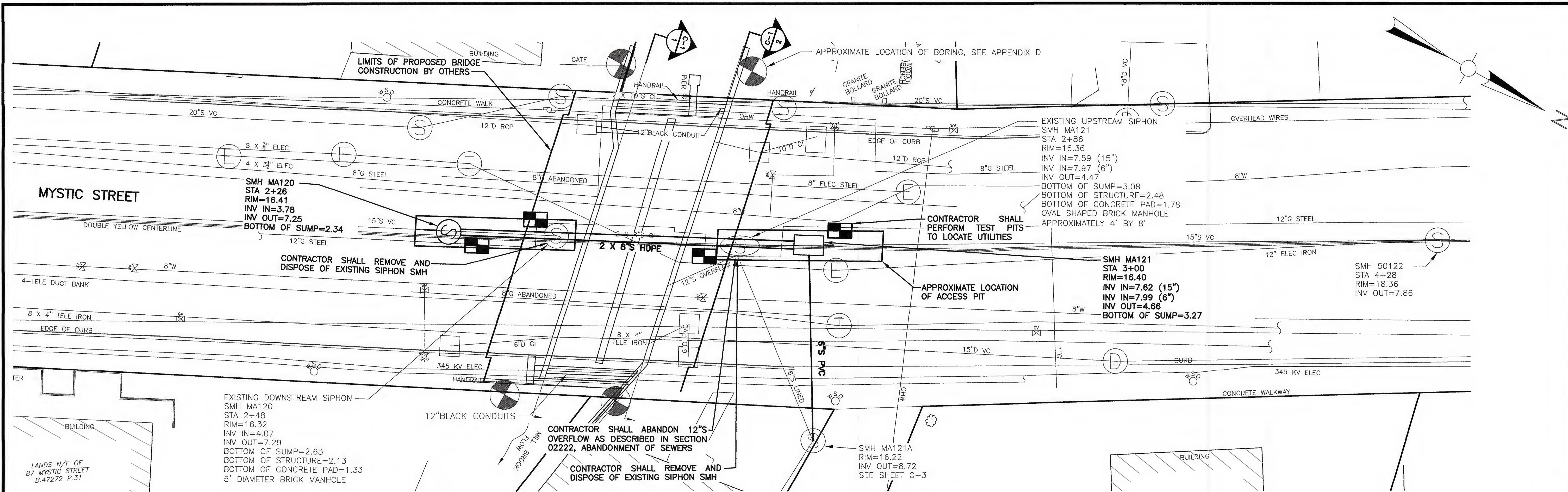
4'X8' PROPOSED PRECAST CONCRETE SIPHON CHAMBER DETAIL



5'-0" DIA. PROPOSED MANHOLE PLAN
N.T.S. STA 2+26

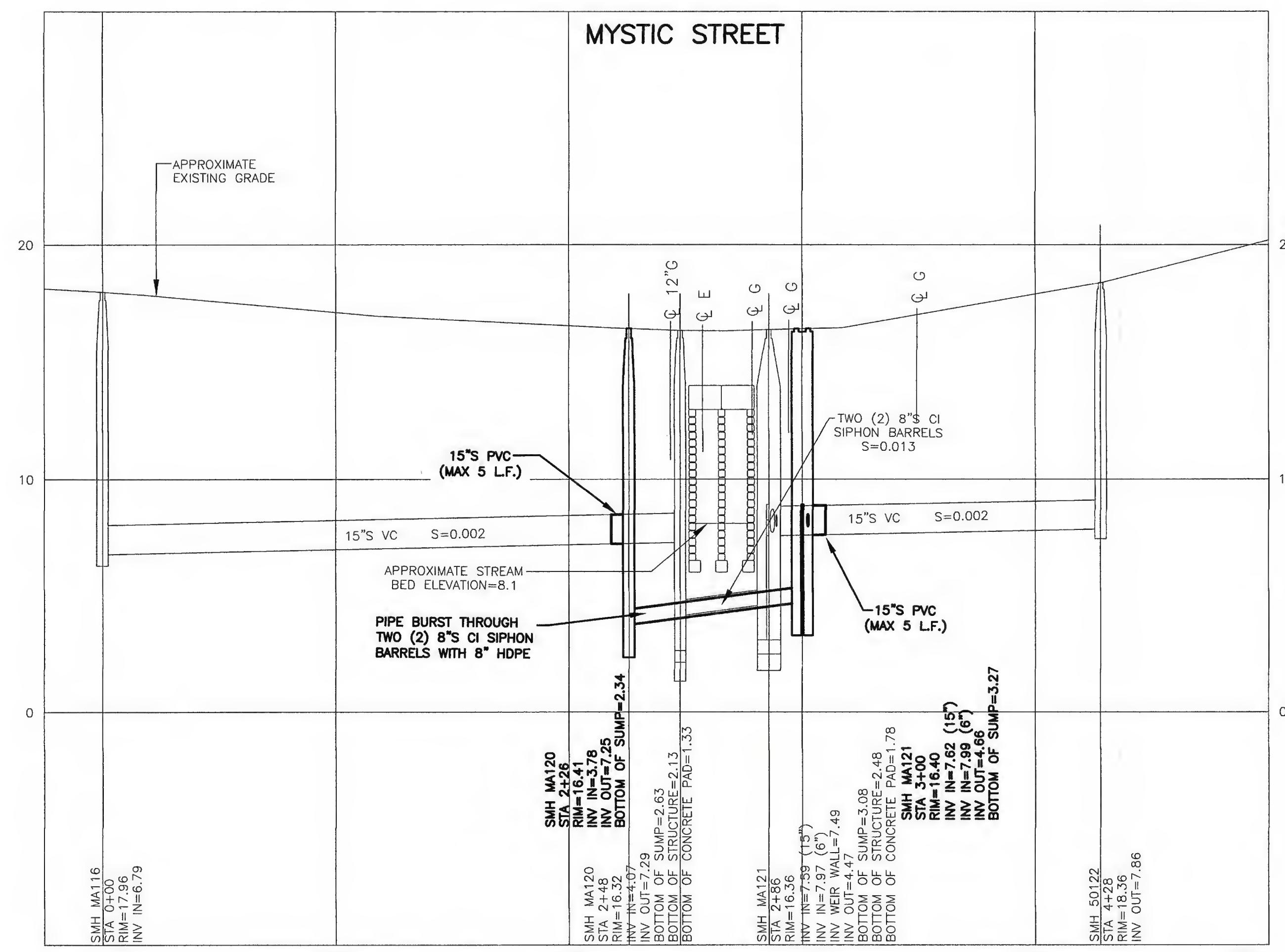


4'X8' PROPOSED SIPHON CHAMBER PLAN
N.T.S. STA 3+00



PROPOSED PLAN

SCALE: 1" = 10'



PROPOSED PROFILE

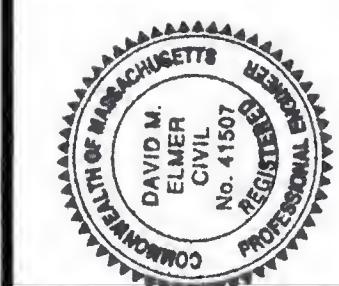
SCALE: 1"=40' HORZ
1"=4' VERT

NOTE:

1. TEMPORARY BYPASS PUMPING SYSTEM SHALL NOT INTERFERE WITH ACCESS ROADS, WALKING PATHS, OR SIDEWALKS.
2. TEMPORARY BYPASS PUMPING SYSTEM SHALL HAVE ONE STAND BY PUMP FOR EACH PUMP UTILIZED, READY TO USE IN THE EVENT OF A PRIMARY PUMP FAILURE. CONTRACTOR SHALL BYPASS FLOW FROM THE 15-INCH GRAVITY MAINLINE AND 6-INCH GRAVITY SERVICE. SEE SPECIFICATION SECTION 01535, TEMPORARY BYPASS PUMPING SYSTEM FOR SEWER FLOW CHARACTERISTICS.
3. CONTRACTOR SHALL BURY TEMPORARY BYPASS PIPING AT ALL SIDEWALK, ROAD, WALKWAY, AND DRIVEWAY CROSSINGS.
4. THE OWNER HAS APPLIED FOR AN MWRA 8M PERMIT RELATED TO THE SEWER BYPASS WORK ON MYSTIC STREET.
5. TELEVISION INSPECTION SHALL BE PERFORMED IN "DRY PIPE" DURING TEMPORARY BYPASS OPERATION.
6. CONTRACTOR SHALL PROTECT ALL UTILITIES.
7. ACCESS PIT LOCATIONS IN PLAN ARE APPROXIMATE. CONTRACTOR MAY LOCATE ACCESS PITS AT THEIR DISCRETION FOR PIPE BURSTING OPERATIONS.
8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE LANE OF TRAVEL IN EACH DIRECTION DURING CONSTRUCTION ACTIVITIES.
9. TEST PITS SHALL BE PERFORMED TO LOCATE EXISTING UTILITIES, AS APPROVED BY THE ENGINEER.
10. PHOTOS OF EXISTING SIPHON MANHOLES ARE INCLUDED IN APPENDIX B.
11. BORING INFORMATION IS INCLUDED IN APPENDIX C.

DATE
7/1/18

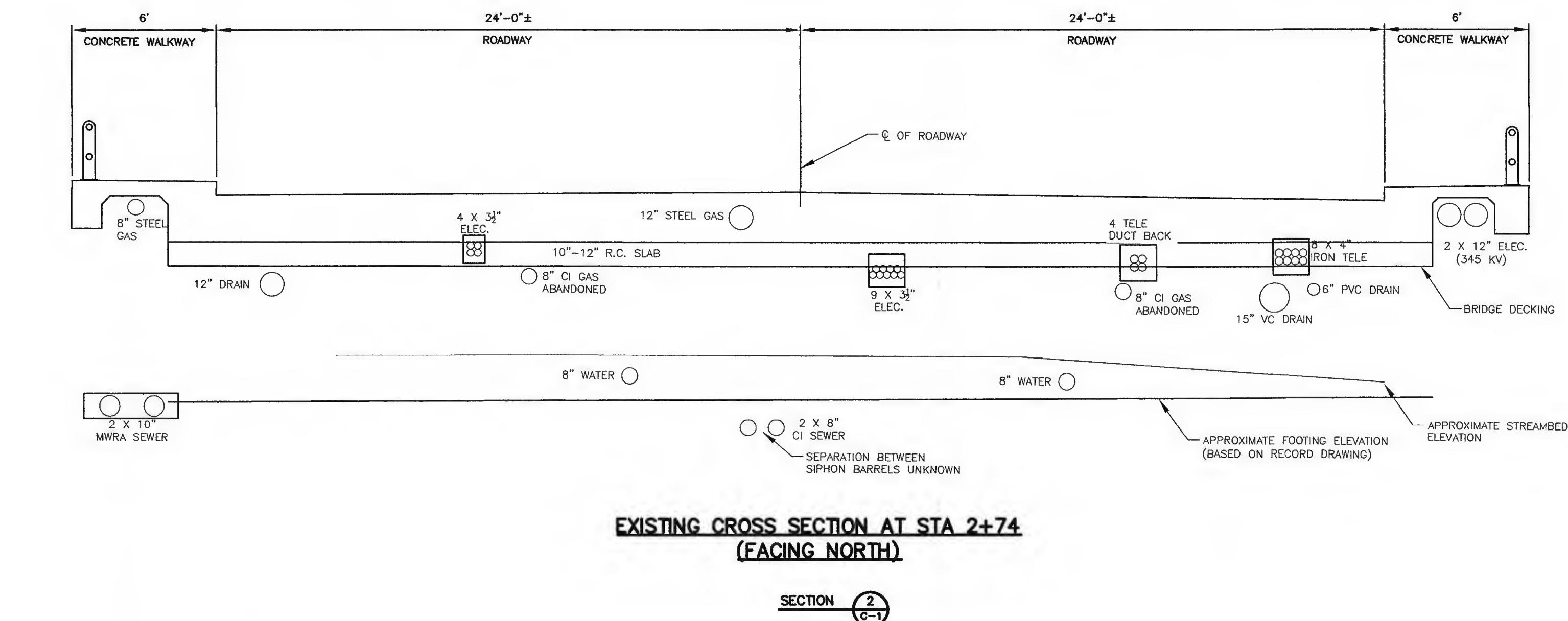
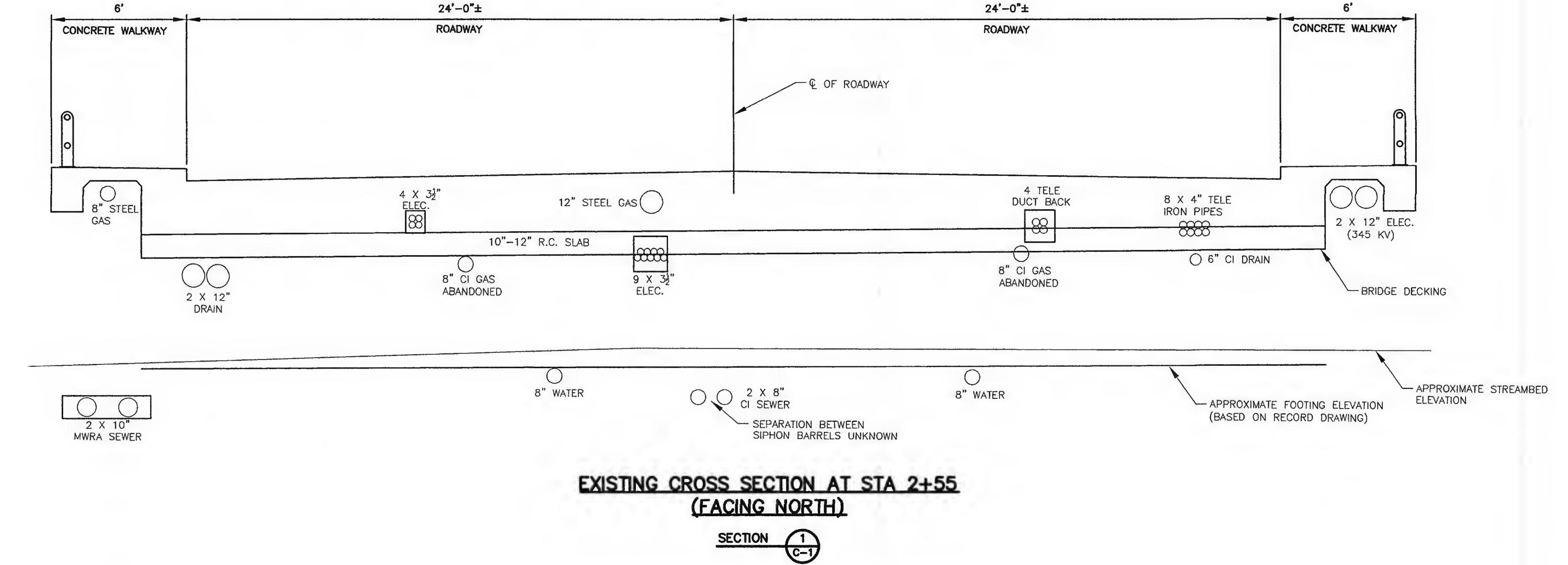
No.	Date	Dr. By	Ck. By	P	P	R	O	V	E	D	Description
											REGISTERED PROFESSIONAL ENGINEER [Signature]



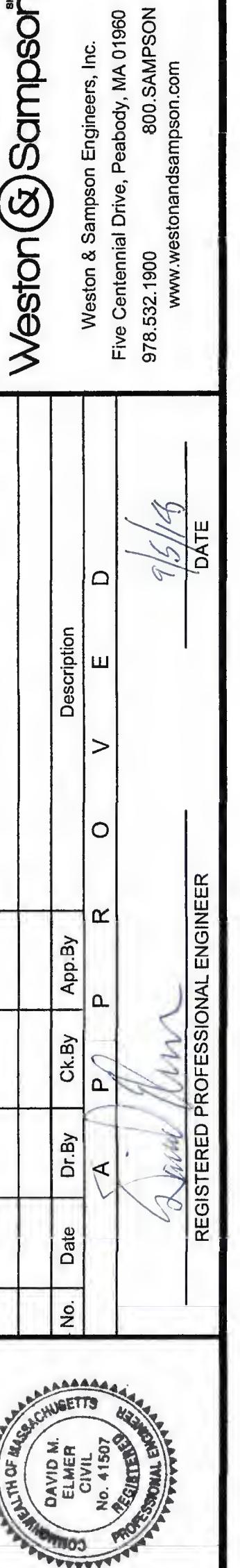
TOWN OF ARLINGTON, MASSACHUSETTS
SEWER SIPHON REPLACEMENT PROJECT

MYSTIC STREET SIPHON PLAN AND PROFILE

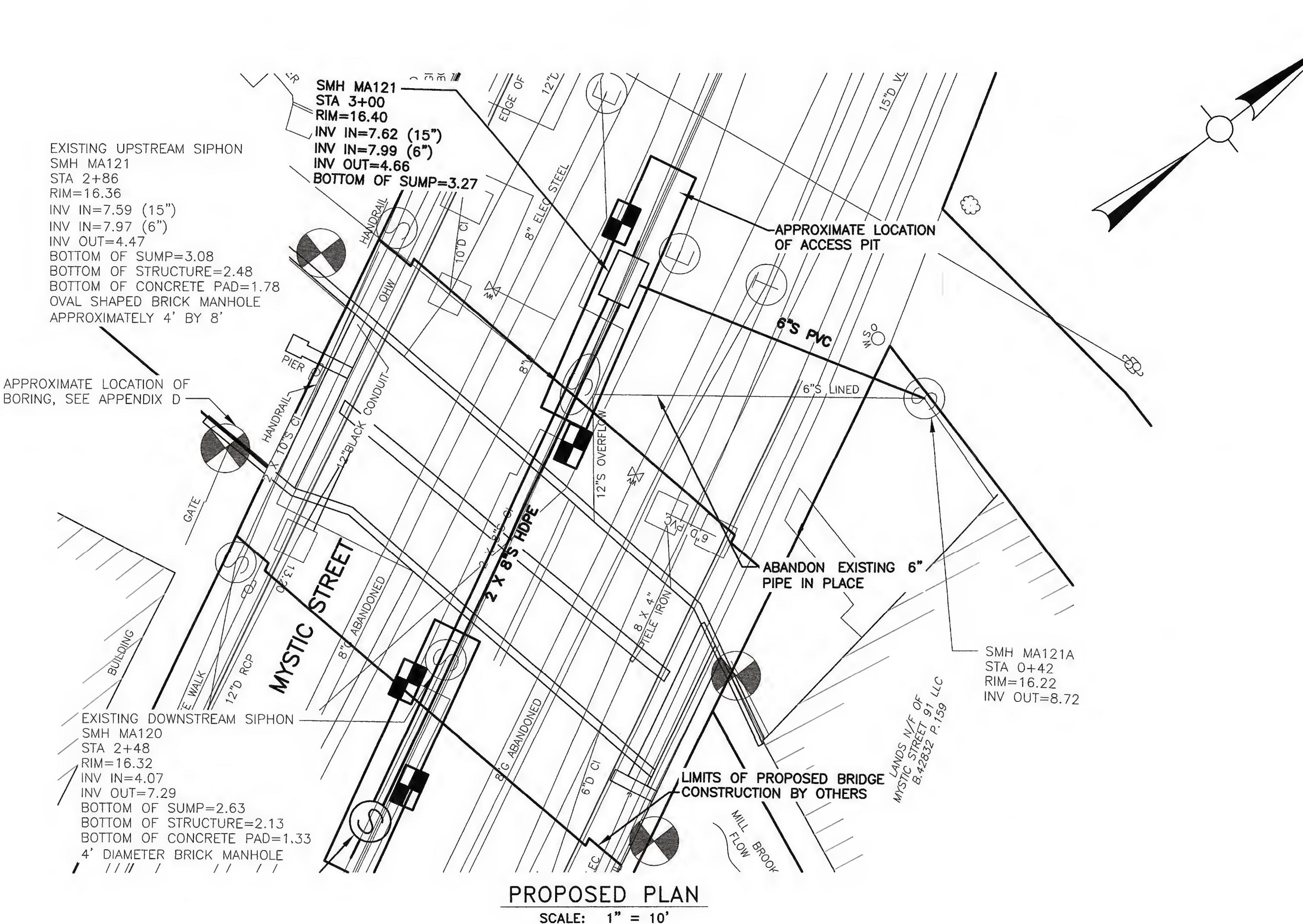
C-7
FILE NO. 235-6
CADD NO. -
NOTED
SCALE: 1"=40' HORZ
1"=4' VERT



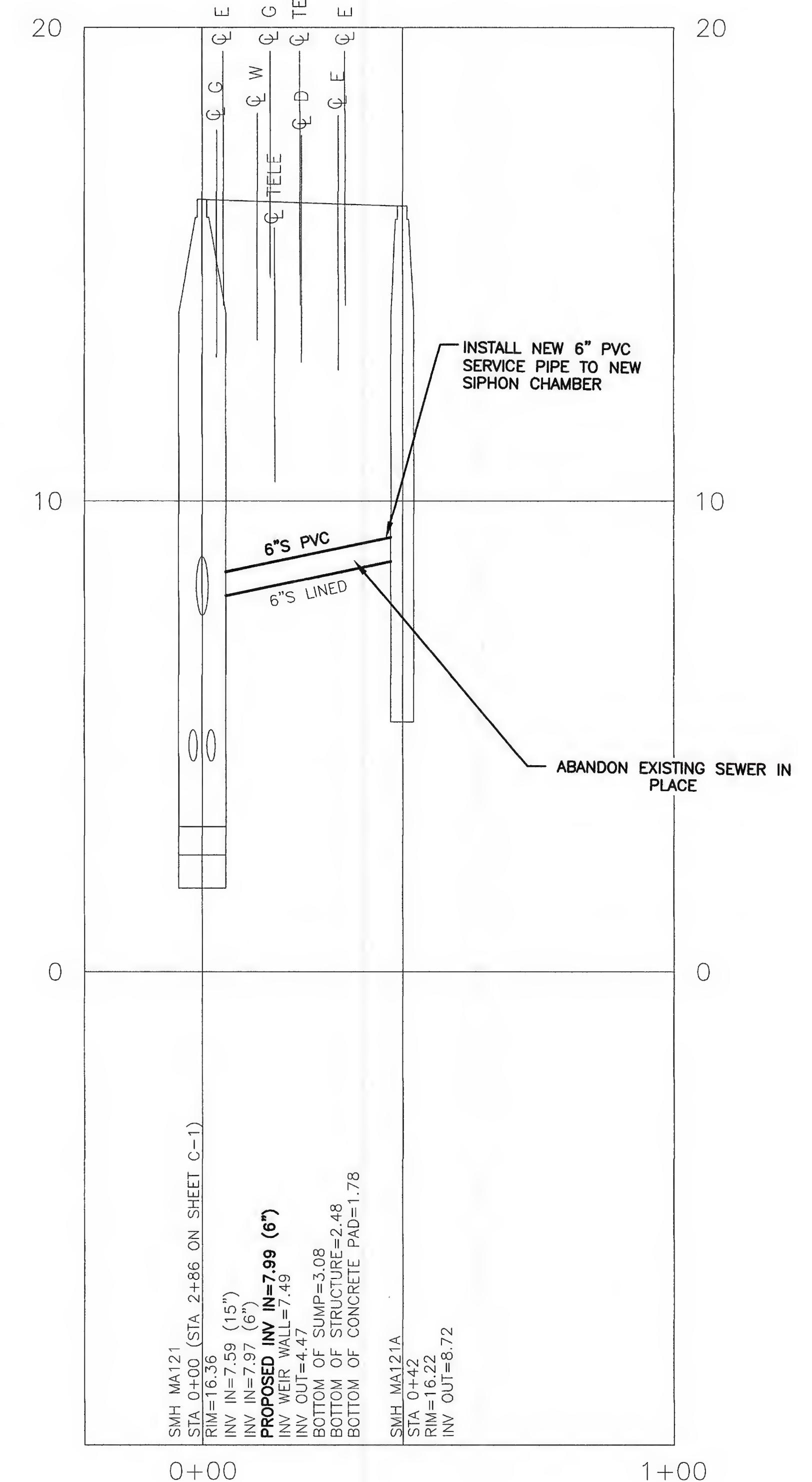
EXISTING CROSS SECTION VIEWS
SCALE: 1/4" = 1"

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Weston & Sampson Engineers, Inc. Five Centennial Drive, Peabody, MA 01960 978.552.900 www.westonsampson.com																													
 MYSTIC STREET SIPHON SECTION VIEWS TOWN OF ARLINGTON, MASSACHUSETTS DEPARTMENT OF PUBLIC WORKS SEWER SIPHON REPLACEMENT PROJECT DATE: <u>15/13</u> REGISTERED PROFESSIONAL ENGINEER <u>John H. Henn</u>																													
<table border="1"> <tr> <td>No.</td> <td>Date</td> <td>Dr By</td> <td>Ck By</td> <td>App By</td> <td>R</td> <td>O</td> <td>V</td> <td>E</td> <td>D</td> </tr> <tr> <td><u>1</u></td> <td><u>A</u></td> <td><u>P</u></td> <td><u>P</u></td> <td><u>P</u></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </table>										No.	Date	Dr By	Ck By	App By	R	O	V	E	D	<u>1</u>	<u>A</u>	<u>P</u>	<u>P</u>	<u>P</u>					
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FILE NO.	235-5	SCALE	NOTED	CONTRACT	18-41	JOB NO.	2180077	DR BY	JMC																				
CADD NO.						DS BY	JMC	CHK BY	JRH																				
						APP BY	DME																						

C-2



MYSTIC STREET SERVICE CONNECTION



PROPOSED PROFILE

SCALE: 1"=20' HORIZ
1"=2' VERT

NOTE:

1. TEMPORARY BYPASS PUMPING SYSTEM SHALL NOT INTERFERE WITH ACCESS ROADS, WALKING PATHS, OR SIDEWALKS.
2. TEMPORARY BYPASS PUMPING SYSTEM SHALL HAVE ONE STAND BY PUMP FOR EACH PUMP UTILIZED, READY TO USE IN THE EVENT OF A PRIMARY PUMP FAILURE. CONTRACTOR SHALL BYPASS FLOW FROM THE 15-INCH GRAVITY MAINLINE AND 6-INCH GRAVITY SERVICE. SEE SPECIFICATION SECTION 01535, TEMPORARY BYPASS PUMPING SYSTEM FOR SEWER FLOW CHARACTERISTICS.
3. CONTRACTOR SHALL BURY TEMPORARY BYPASS PIPING AT ALL SIDEWALK, ROAD WALKWAY, AND DRIVEWAY CROSSINGS.
4. THE OWNER HAS APPLIED FOR AN MWRA 8M PERMIT RELATED TO THE SEWER BYPASS WORK ON MYSTIC STREET.
5. TELEVISION INSPECTION SHALL BE PERFORMED IN "DRY PIPE" DURING TEMPORARY BYPASS OPERATION.
6. CONTRACTOR SHALL PROTECT ALL UTILITIES.
7. ACCESS PIT LOCATIONS IN PLAN ARE APPROXIMATE. CONTRACTOR MAY LOCATE ACCESS PITS AT THEIR DISCRETION FOR PIPE BURSTING OPERATIONS.
8. CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE LANE OF TRAVEL IN EACH DIRECTION DURING CONSTRUCTION ACTIVITIES.
9. TEST PITS SHALL BE PERFORMED TO LOCATE EXISTING UTILITIES, AS APPROVED BY THE ENGINEER.
10. PHOTOS OF EXISTING SIPHON MANHOLES ARE INCLUDED IN APPENDIX B.
11. BORING INFORMATION IS INCLUDED IN APPENDIX C.

TOWN OF ALEXANDRIA, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
SEWER SIPHON REPLACEMENT PROJECT

A circular seal with a decorative border. The outer ring contains the text "NOTARY PUBLIC" at the top and "MASSACHUSETTS" at the bottom. The inner circle contains the text "DAVID M. ELMER" in the center, with "CIVIL" written below it. To the right of the name is the number "No. 41507". Along the right edge of the inner circle, the words "REGISTERED" and "PROFESSIONAL" are stacked vertically. The entire seal is rendered in a dark, monochromatic color.

SHEET 7 OF 10

TEMPORARY TRAFFIC SIGN SUMMARY

IDENTIFICATION NUMBER	TEXT	PANEL SIZE		NUMBER OF SIGNS REQUIRED
		WIDTH	HEIGHT	
W20-1		48"	48"	4
R6-1		36"	12"	2
W5-1		36"	36"	2
W30-8R		36"	36"	2
R4-7		24"	36"	2
W1-4L		30"	30"	2
W1-4R		30"	30"	2

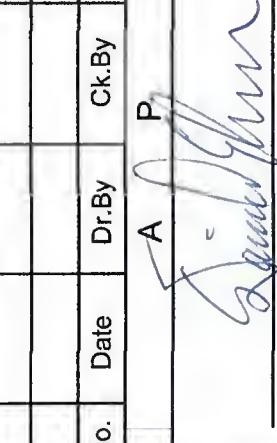
TRAFFIC MANAGEMENT LEGEND:

- REFLECTORIZED DRUM
- ◀ TRAFFIC FLOW DURING CONSTRUCTION
- ↔ NORMAL TRAFFIC FLOW
- ◎ POLICE DETAIL OFFICER
- ↑ CONSTRUCTION SIGN
- WORK AREA
- TEMPORARY PRECAST PORTABLE CONCRETE BARRIER WITH FLASHING WARNING SIGNALS
- TEMPORARY IMPACT ATTENUATOR WITH FLASHING WARNING SIGNALS

GENERAL NOTES:

1. PLACEMENT OF ALL CONSTRUCTION SIGNS, DRUMS, BARRICADES, TRAFFIC DEVICES AND THE SHAPE, SIZE & COLOR OF ALL TEMPORARY TRAFFIC SIGNS SHALL CONFORM WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) AND REVISIONS UNLESS OTHERWISE INDICATED ON THE DRAWINGS.
2. ADVANCE WARNING SIGN PLACEMENT AND TAPER LENGTH TO BE ADJUSTED ACCORDING TO STREET CONDITIONS AND DRIVEWAY OPENINGS.
3. ALL DRUMS SHALL BE APPROXIMATELY PLACED AND MOVED AS NECESSARY TO MAINTAIN ADEQUATE ABUTTER ACCESS AT ALL TIMES.
4. THE CONTRACTOR SHALL NOTIFY EACH ABUTTER AT LEAST 48 HOURS IN ADVANCE OF THE START OF ANY WORK THAT WILL REQUIRE THE TEMPORARY CLOSURE OF ACCESS, SUCH AS EXISTING PAVEMENT EXCAVATION, TEMPORARY DRIVEWAY PAVEMENT PLACEMENT AND SIMILAR OPERATIONS.
5. NONESSENTIAL TRAFFIC CONTROL DEVICES SHALL BE COVERED OR REMOVED DURING NON-WORKING HOURS.
6. PEDESTRIANS SHALL BE PROVIDED WITH ACCESS AND SAFE PASSAGE THROUGH THE TEMPORARY TRAFFIC CONTROL ZONE AT ALL TIMES.
7. W20-8 SHALL BE TAKEN DOWN OR COVERED AFTER EACH WORKING DAY OR WHEN OTHERWISE NOT APPLICABLE, OR WHEN POLICE OFFICERS ARE NOT PRESENT TO DIRECT TRAFFIC.
8. ADVISORY SPEED PLATES (W13-1 – SEE CURRENT EDITION OF MUTCD) SHALL BE USED IF APPLICABLE AND AS REQUIRED BY THE ENGINEER.
9. NO DIFFERENCE IN ROADWAY LANE ELEVATION WILL BE ALLOWED AT THE END OF THE WORK DAY.
10. SAMPLE TRAFFIC PLANS INCLUDED ON THIS PLAN SHEET ARE BASED ON AN URBAN (LOW SPEED) ROAD TYPE FROM THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES.
11. DASHED LINES SHOW LANE DESIGNATIONS TO BE USED DURING CONSTRUCTION.
12. THE CONTRACTOR SHALL SUBMIT ANY REVISIONS TO THE CONSTRUCTION ZONE SAFETY PLAN TO THE ENGINEER FOR APPROVAL.
13. THIS CONSTRUCTION ZONE SAFETY PLAN SHALL NOT RELIEVE THE CONTRACTOR OF HIS SOLE RESPONSIBILITY FOR CONSTRUCTION SITE SAFETY.
14. MAINTAIN ONE LANE IN EACH DIRECTION (MIN. 12' WIDTH) AT ALL TIMES DURING CONSTRUCTION.
15. SEE PAVEMENT MARKING AND SIGN PLAN FOR SIGN LOCATIONS.
16. HIGH INTENSITY REFLECTIVE SHEETING SHALL BE USED FOR ALL SIGNS.
17. ERECT ALL SIGNS IN ACCORDANCE WITH THE LATEST "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", AND "MASS HIGHWAY'S STANDARD DRAWINGS FOR SIGNS AND SUPPORTS", DATED 1990.
18. FOR THE LATEST SPECIFICATION ON TEXT DIMENSIONS AND COLOR, CONTRACTOR SHALL REFER TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION).
19. "NO PARKING" SIGNS WILL BE PROVIDED BY THE TOWN. CONTRACTOR SHALL POST ALONG SIDEWALK AS NECESSARY.
20. CONTRACTOR SHALL ASSIST WHENEVER POSSIBLE, DURING TRASH DAYS, WHERE SITE WORK IMPACTS ACCESS TO TRASH COLLECTION.
21. EQUIPMENT MAY BE STORED ON SITE WITHIN JERSEY BARRIERS AS LONG AS IT ALLOWS ENOUGH VISIBILITY DISTANCE TO ALLEVIATE BLIND SPOTS.

DATE
1/13/13

REGISTERED PROFESSIONAL ENGINEER


TOWN OF ARLINGTON, MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS
SEWER SIPHON REPLACEMENT PROJECT
TRAFFIC MANAGEMENT SIGN SUMMARY, LEGEND, AND NOTES

FILE NO. 235-3
CADD NO. TMP
SCALE: NOTED
CONTRACT: 18-41
JOB NO. 2180077
DEF BY: JMC
DSBY: JMC
CHK BY: JRH
APPR BY: DME

SHEET 8 OF 10



TRAFFIC MANAGEMENT
PLAN
SCALE: 1" = 40'